



DEPARTMENT OF PEDIATRIC PATHOLOGY

Cirilo Sotelo-Avila, M.D.
Chairperson
Date of Appointment - 2 January 1995

MISSION

The Department of Pediatric Pathology supports the missions of the Armed Forces Institute of Pathology as follows:

- (1) Extramural and intramural consultation on pediatric, placental, and gestational pathology,
- (2) Clinicopathologic and radiologic research activities concerning pediatric pathology and gestational disorders
- (3) Educational opportunities for the study of pediatric, placental, and/or gestational pathology.

ORGANIZATION

The department is not organized into divisions.

STAFF

Medical

Cirilo Sotelo-Avila, M.D.
Eric S. Suarez, LCDR, MC, USNR
Glenn E. Dickey, LtCol, USAF, MC
Richard Conran, LTC, MC, USA
Florabel G. Mullick, M.D., SES
(D) J. Thomas Stocker, COL, MC, USA

Administrative

Margaret C. King, Secretary

CONSULTATION

Cases

<i>Cases</i>	<i>Received</i>
Military	196
Federal (VA/PHS)	6
Civilian	651
Interdepartmental	317
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TOTAL	1,170

Some of the specimens submitted to the Department of Pediatric Pathology were accompanied by wet tissue or were complete fetal autopsies. During 1995, our staff examined the wet tissue of 93 cases, which included extensive dissections of many specimens from cases showing complex congenital malformations, and reviewed 120 complete autopsies.

Gross photographs, X-ray, and electron-microscopic and immunohistochemical evaluations were done as needed. Some autopsy cases had surgical material, such as placenta, which was not included separately in the tabulation of cases.

Daily sign-out of interesting or difficult cases was established for quality control, to expedite the turnaround time of consultations, and to discuss particular diseases or recent developments in the field of pediatric pathology. All consultation cases, and most intramural consultations, were peer reviewed.

Dr. Conran actively participates in the autopsy service of the Department of Pathology at the NNMC. He performs approximately three fourths of the pediatric autopsies there, while currently instructing residents and medical students in the pediatric autopsy. Cases of educational value are subsequently accessioned to the AFIP.

We submitted to the Research Office eight research protocols and a proposal to publish a monograph on fetal and neonatal histology.

EDUCATION

One senior medical student rotated in our department as an elective in medical school. Two senior high school students participated in departmental research projects.

and conferences given were: Placenta and Gestational Trophoblastic Disease (Dr. Dickey); Common Pediatric Tumors (Dr. Suarez); and Hepatic Tumors (Dr. Sotelo), as part of the Problems in Anatomic Pathology Course.

7. Dr. Dickey collaborated as assistant clinical professor with the Uniformed Services Health Sciences University through the instruction in the medical students' pathology laboratories and the clinicopathologic correlation sessions.
8. Dr. Sotelo collaborated in the review of interesting pediatric pathology cases as part of the American Registry of Pathology Senior Resident Seminar, September 15, 1995.
9. Dr. Conran provided instruction in pediatric pathology to the residents at NNMC in pediatric pathology and supports the education of the second-year medical students at USUHS in all areas of pediatric pathology.
10. Drs. Stocker and Sotelo were codirectors and lecturers at the Pediatric Pathology Course given by the AFIP in Orlando, Fla., February 19-22, 1995.

GOALS

1. Increase the number of consultations
2. Increase the number of publications
3. Give the annual course in Pediatric Pathology
4. Increase the number of visiting residents and fellows

PRESENTATIONS

1. Sotelo-Avila C. Lecturer, Pediatric Pathology Course, The Armed Forces Institute of Pathology, Orlando, Fla., February 19-22, 1995 (Liver Tumors in Children).
2. Sotelo-Avila C. Lecturer, Update and Review of Anatomic Pathology Course, The Armed Forces Institute of Pathology, Washington, D.C., April 3-14, 1995 (Liver Tumors in Children).
3. Sotelo-Avila C. Guest lecturer, Mexican Association of Pathologists, XXXVIII National Congress, Puerto Vallarta, Mexico, May 1-6, 1995 (Cases in Pediatric Pathology).
4. Sotelo-Avila C. Guest lecturer, Lilliputian Surgical Society Meeting, St. Louis, Mo. September 23, 1995 (Clinical-Pathological Studies in Beckwith-Wiedemann Syndrome).
5. Sotelo-Avila C. Guest lecturer, Hospital Para el Nino Poblano, II International Symposium of Pediatric Hepatology, October 2-3, 1995, Puebla, Mexico (Chronic Hepatitis).
6. Suarez ES. Guest lecturer, Mexican Association of Pathologists, XXXVIII National Congress, Puerto Vallarta, Mexico, May 1-6, 1995 (Cases in Pediatric Pathology).
7. Suarez ES. Lecturer, Update and Review of Anatomic Pathology Course, The Armed Forces Institute of Pathology, Washington, D.C., April 3-14, 1995 (Common Pediatric Tumors).
8. Suarez ES. Lecturer, Pediatric Pathology Slide Seminar, Staff Conference, Dart Auditorium, AFIP, October 25, 1995.
9. Dickey GE. Lecturer, Update and Review of Anatomic Pathology Course, The Armed Forces Institute of Pathology, Washington, D.C., April 3-14, 1995 (Placenta and Gestational Trophoblastic Disease).
10. Dickey GE. Lecturer, Pediatric Pathology Slide Seminar, Staff Conference, Dart Auditorium, October 25, 1995.
11. Stocker JT. Liver Tumors in Children, Controversies and Recent Advances in Surgical Pathology, Orlando, Fla., February 1995.

12. Stocker JT. The Pediatric Autopsy, Pediatric Pathology Course, Orlando, Fla., February 1995.
13. Stocker JT. Selected Topics in Pediatric Gastrointestinal Disease, Pediatric Pathology Course, Orlando, Fla., February 1995.
14. Stocker JT. Neonatal Cholestasis, Pediatric Pathology Course, Orlando, Fla., February 1995.
15. Stocker JT. Sudden Infant Death Syndrome and Selected Topics in Pediatric Pathology, Uniformed Services of the Health Sciences Pathology Course, Bethesda, Md., February 1995.

PUBLICATIONS

Journal Articles

1. Agrons GA, Wagner BJ, Davidson AJ, Suarez ES. Multilocular cystic renal tumor in children: radiologic-pathologic correlation. *Radiographics*. 1995;15:653-669.
2. Clohisy JC, Schajowicz F, Vaziri DM, McDonald DJ, Connolly TJ, Sotelo-Avila C, Betts JE. Assessment of argyrophilic nucleolar organizer region: quantification in benign and malignant bone tumors. *Clin Orthop Rel Res*. 1995;310:229-236.
3. Havilioglu, Manepalli A, Galindo L, Sotelo-Avila C, Grosso L: Primari Ki-1 (anaplastic large cell) lymphoma of the brain and spinal cord: a case report. *Am J Clin Pathol*. 1995;103:496-499.
4. Sotelo-Avila C, Beckwith JB, Johnson JE. Ossifying renal tumor of infancy: a clinicopathologic study of nine patients. *Pediatr Pathol Lab Med*. 1995;15:745-762.
5. Dunphy CH, Petruska PJ, Janney C, Filkins J, Chung D, Sotelo-Avila C. Plasma cell leukemia presenting with striking number of circulating cells. *Cell Vision*. 1995;2:214-217.
6. Selby DM, Stocker JT. Focal peliosis hepatis. *Pediatr Pathol Lab Med*. 1995;15:589-596.

Abstracts

1. Sotelo-Avila C, Beckwith BJ, Weeks DA, Johnson JE. Ossifying renal tumor of infancy. *Mod Pathol*. 1995;8:7P.
2. Sotelo-Avila C. Tumor osificante renal en los ninos. *Pathologia*. 1995;33:S-8.
3. Conran RM, Stocker JT. Congenital pulmonary lymphangiectasis in the newborn: a clinicopathologic study. *Mod Pathol*. 1995;8:2P.
4. Husain AN, Siddiqui N, Farolan L, Razzak M, Stocker JT. Pathology of arrested lung development in post-surfactant treated bronchopulmonary dysplasia (BPD). *Mod Pathol*. 1995;8:3P.
5. Stocker JT. Malformation of the distal pulmonary acinus: congenital cystic adenomatoid malformation-type 4: a report of 12 cases. *Pediatr Pathol*. 1995;15:343.

In addition, three items are in press.